

DEPARTMENT OF THE NAVY

JOINT BASE ANACOSTIA-BOLLING  
20 MACDILL BLVD, SUITE 300  
WASHINGTON, D.C. 20032-7711

5090

Ser J4/025

June 3, 2016

Karen Crumlish, Branch Chief  
Drinking Water Branch (3WP21)  
Water Protection Division  
U.S. EPA Region 3  
1650 Arch Street  
Philadelphia, PA 19103

Ms. Crumlish:

Enclosed is the Stage 2 DBP Report for the second quarter of 2016 for the Joint Base Anacostia-Bolling (JBAB) Anacostia side. Included with the results are the certificates of analysis and the Chain of Custody Forms.

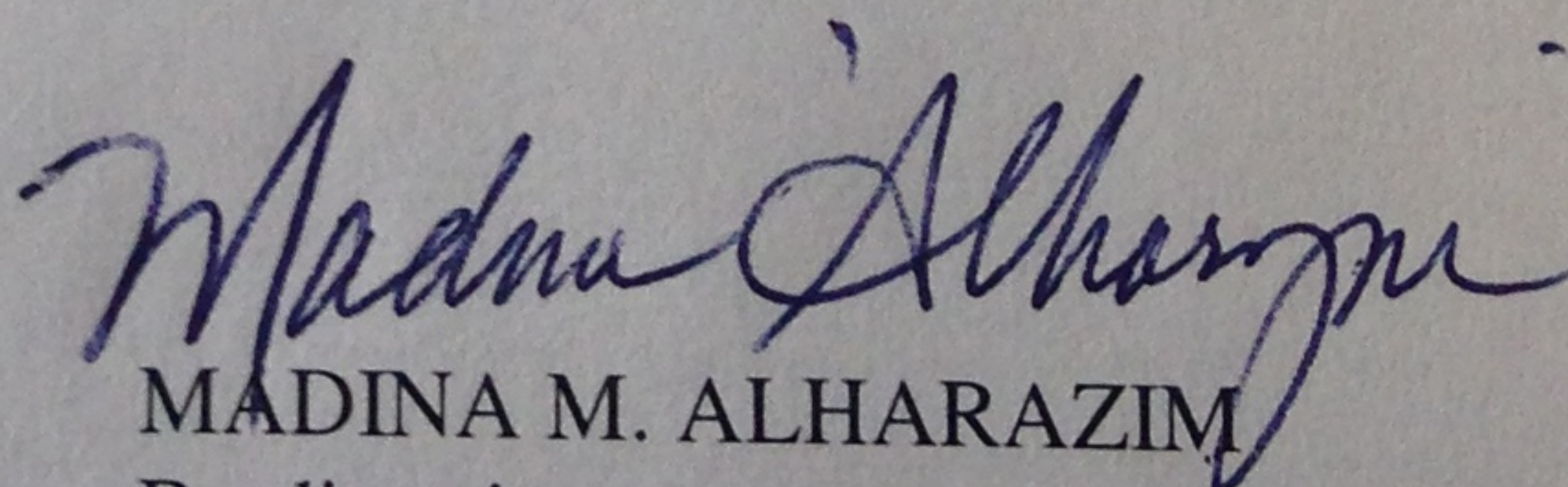
Based on the JBAB-Anacostia sample results, the operational evaluation level (OEL) was not exceeded nor was there a TTHM MCL violation for this quarter.

Please mail all correspondence to:

ATTN: Director, Installation Environmental Program  
Department of the Navy  
PWD- Joint Base Anacostia-Bolling  
370 Brookley Avenue SW  
JBAB, Washington, DC 20032-0101

If you have any questions or require further information, please contact Ms. Brooke Shaffer, of my staff, at (202) 404-1273 or via email at [brooke.shaffer@navy.mil](mailto:brooke.shaffer@navy.mil).

Sincerely,

  
MADINA M. ALHARAZIM  
By direction

Enclosures: 1. Stage 2 DBP Summary Report, May 2016  
2. Stage 2 DBP Sample Analysis Results and Chain of Custodies, May 2016



**Water System:** JBAB-Anacostia  
**PWSID:** DC0000004  
**Report Period:** 2nd Quarter 2016

- Steps: 1. Use data from three previous quarters  
 2. Enter sample date and results for current quarter of monitoring in the blue column.  
 3. Summarize results for the quarter. The number of samples should include the number of any repeat samples.

**Total Trihalomethanes (TTHM)**

Reported as mg/L or ppm

Number of TTHM samples taken per quarter: 2  
 Operational Evaluation Levels exceeded (Yes/No): No  
 TTHM MCL violations: 0

		Three Most Recent Quarters of Sampling Results			Current Quarter		
Scheduled Sample Week		August 2015	November 2015	February 2016	May 2016		
Actual Sample Date:		Aug. 4, 2015	Nov. 3, 2015	Feb. 2, 2016	May 3, 2016		
Location ID	Location Name					Operational Evaluation Level (OEL)	Locational Running Annual Average (LRAA)
Alt A EP (Bldg 414)	Hallway Sink	0.0781	0.0389	0.0154	0.0748	0.051	0.052
2A (Bldg 413)	Kitchen Sink	0.0791	0.078	0.0146	0.0680	0.057	0.060
						If TTHM OEL is > 0.080, perform Operational Evaluation.	If TTHM LRAA is > 0.080, MCL violation occurred.



**Five Haloacetic Acids (HAA5)**

Reported as mg/L or ppm

Number of HAA5 samples taken per quarter: 2  
 Operational Evaluation Levels exceeded (Yes/No): No  
 HAA5 MCL violations: 0

		Three Most Recent Quarters of Sampling Results			Current Quarter		
Scheduled Sample Week		August 2015	November 2015	February 2016	May 2016		
Actual Sample Date:		Aug. 4, 2015	Nov. 3, 2015	Feb. 2, 2016	May 3, 2016		
Location ID	Location Name					Operational Evaluation Level (OEL)	Locational Running Annual Average (LRAA)
Alt A EP (Bldg 414)	Hallway Sink	0.0388	0.0267	0.0106	0.0456	0.032	0.030
2A (Bldg 413)	Kitchen Sink	0.0399	0.0264	0.0104	0.0477	0.033	0.031
						If HAA5 OEL is > 0.060, perform Operational Evaluation.	If HAA5 LRAA is > 0.060, MCL violation occurred.

May 16, 2016

Mr. Kosala De Silva  
Inspection Experts, Inc.  
8711 Arrowtip Lane  
Lewis Center, OH 43035

## Certificate of Analysis

Project Name: <b>JBAB</b>	Workorder: <b>2141226</b>
Purchase Order:	Workorder ID: <b>JBAB</b>

Dear Mr. Silva:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, May 4, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. George Tsamoulales

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*



Ms. Debra J. Musser  
Project Coordinator

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## SAMPLE SUMMARY

Workorder: 2141226 JBAB

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2141226001	2A-ANA-413	Drinking Water	5/3/2016 08:29	5/4/2016 21:00	Collected by Client
2141226002	ANA-414	Drinking Water	5/3/2016 09:05	5/4/2016 21:00	Collected by Client
2141226003	ANA-Field Blank	Drinking Water	5/3/2016 08:55	5/4/2016 21:00	Collected by Client
2141226004	ANA-Trip Blank	Drinking Water	5/3/2016 08:55	5/4/2016 21:00	Collected by Client

### Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

### Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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## ANALYTICAL RESULTS

Workorder: 2141226 JBAB

Lab ID: **2141226001**  
Sample ID: **2A-ANA-413**

Date Collected: 5/3/2016 08:29 Matrix: Drinking Water  
Date Received: 5/4/2016 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	21.9		ug/L	0.50	EPA 524.2			5/6/16 19:07	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 19:07	TMP	A
Chlorodibromomethane	8.0		ug/L	0.50	EPA 524.2			5/6/16 19:07	TMP	A
Chloroform	38.2		ug/L	0.50	EPA 524.2			5/6/16 19:07	TMP	A
Total Trihalomethanes	68.0		ug/L	0.50	EPA 524.2			5/6/16 19:07	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	83.7		%	70 - 130	EPA 524.2			5/6/16 19:07	TMP	A
4-Bromofluorobenzene (S)	81.7		%	70 - 130	EPA 524.2			5/6/16 19:07	TMP	A
<b>HALOACETIC ACID</b>										
TOTAL HAA	47.7		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Bromochloroacetic NOT FOR PA	8.9		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Dibromoacetic	2.3		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Dichloroacetic	27.5		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Monobromoacetic	<1.0		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Monochloroacetic	4.3		ug/L	2.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
Trichloroacetic	13.6		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	102		%	70 - 130	EPA 552.2	5/10/16 16:00	GEC	5/14/16 10:52	KJH	D



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Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2141226 JBAB

Lab ID: **2141226002**  
Sample ID: **ANA-414**

Date Collected: 5/3/2016 09:05 Matrix: Drinking Water  
Date Received: 5/4/2016 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	21.7		ug/L	0.50	EPA 524.2			5/6/16 19:29	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 19:29	TMP	A
Chlorodibromomethane	7.3		ug/L	0.50	EPA 524.2			5/6/16 19:29	TMP	A
Chloroform	45.9		ug/L	0.50	EPA 524.2			5/6/16 19:29	TMP	A
Total Trihalomethanes	74.8		ug/L	0.50	EPA 524.2			5/6/16 19:29	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	79.8		%	70 - 130	EPA 524.2			5/6/16 19:29	TMP	A
4-Bromofluorobenzene (S)	80.5		%	70 - 130	EPA 524.2			5/6/16 19:29	TMP	A
<b>HALOACETIC ACID</b>										
TOTAL HAA	45.6		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Bromochloroacetic NOT FOR PA	10.5		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Dibromoacetic	3.0		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Dichloroacetic	22.2		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Monobromoacetic	<1.0		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Monochloroacetic	4.2		ug/L	2.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
Trichloroacetic	16.2		ug/L	1.0	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	115		%	70 - 130	EPA 552.2	5/10/16 16:00	GEC	5/14/16 11:11	KJH	D



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## ANALYTICAL RESULTS

Workorder: 2141226 JBAB

Lab ID: **2141226003**  
Sample ID: **ANA-Field Blank**

Date Collected: 5/3/2016 08:55 Matrix: Drinking Water  
Date Received: 5/4/2016 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:39	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:39	TMP	A
Chlorodibromomethane	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:39	TMP	A
Chloroform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:39	TMP	A
Total Trihalomethanes	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:39	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	87.7		%	70 - 130	EPA 524.2			5/6/16 14:39	TMP	A
4-Bromofluorobenzene (S)	83.7		%	70 - 130	EPA 524.2			5/6/16 14:39	TMP	A



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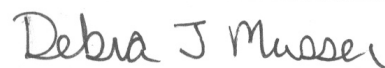
## ANALYTICAL RESULTS

Workorder: 2141226 JBAB

Lab ID: **2141226004**  
Sample ID: **ANA-Trip Blank**

Date Collected: 5/3/2016 08:55 Matrix: Drinking Water  
Date Received: 5/4/2016 21:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:17	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:17	TMP	A
Chlorodibromomethane	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:17	TMP	A
Chloroform	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:17	TMP	A
Total Trihalomethanes	<0.50		ug/L	0.50	EPA 524.2			5/6/16 14:17	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	87.3		%	70 - 130	EPA 524.2			5/6/16 14:17	TMP	A
4-Bromofluorobenzene (S)	84.6		%	70 - 130	EPA 524.2			5/6/16 14:17	TMP	A



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34 Oakwood Lane in Middletown, PA 17057 w 717.244.5541 w Fax: 717.244.1430

**CHAIN OF CUSTODY/  
REQUEST FOR ANALYSIS**

Generated by ALS

COO

**ALS**



\* 2 1 4 1 2 2 6 \*

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /  
SAMPLER. INSTRUCTIONS ON THE BACK.

Client Name: Inspection Experts, Inc.						Container Type		VOA		Amber														★ 2 1 4 1 2 8 ★					
Address: 9220 Rumsey Rd, Bay 5 Columbia, MD 21045						Container Size		40ml		250ml														Cooler Temp: 1 Therm ID: 352					
Contact: Kosala De Silva						Preservative		ASC+HCl		NH4Cl														No. of Coolers: Y N Initial					
Phone#: 410-715-3939(O)						ANALYSES/METHOD REQUESTED																		Custody Seals Present? <input checked="" type="checkbox"/>					
Project Name#/: NAVFAC / JBAB / 15-0011-201						<div style="display: flex; justify-content: space-between;"> <div> <p>TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.</p> <p>Date Required: _____ Approved By: _____</p> <p>Email? <input checked="" type="checkbox"/> -Y kosala@ieinc.net</p> <p>Fax? <input type="checkbox"/> -Y No.: _____</p> </div> <div> <p>PH T<sub>C</sub> Temp °C</p> </div> </div>																		(If present) Seals Intact? <input checked="" type="checkbox"/>					
Bill To: kosala@ieinc.net																								Received on Ice? <input checked="" type="checkbox"/>					
																								COC/Labels Complete/Accurate? <input checked="" type="checkbox"/>					
																								Cont. In Good Cond.? <input checked="" type="checkbox"/>					
						Correct Containers? <input checked="" type="checkbox"/>		Correct Sample Volumes? <input checked="" type="checkbox"/>		Correct Preservation? <input checked="" type="checkbox"/>		Headspace/Volatiles? <input checked="" type="checkbox"/>																	
Sample Description/Location (as it will appear on the lab report)						Sample Date		Time		G or C		Matrix		Stage II Analysis TTHM (EPA 524.2)		Stage II Analysis HAA5 (EPA 552.2)								Courier/Tracking #:					
Enter Number of Containers Per Sample or Field Results Below.																		Sample/COC Comments											
1. 2A-ANA-413						5/3/2016		0829		G DW		3		1		8.87		2.01		18.3									
2. ANA-414						5/3/2016		0905		G DW		3		1		8.26		1.67		20.4									
3. ANA-Field Blank						5/3/2016		0855		G DW		3																	
4. ANA-Trip Blank						5/3/2016		0855		G DW		2																	
5																													
6																													
7																													
8																													
9																													
10																													
Project Comments:						LOGGED BY(signature): [Signature] DATE: 05/05/16 BY: [Signature]						REVIEWED BY(signature): _____ DATE: _____						Data Deliverables: <input type="checkbox"/> Standard <input type="checkbox"/> CLP-like <input type="checkbox"/> USACE						Special Processing: USACE <input type="checkbox"/> Navy <input type="checkbox"/> State Samples Collected In: NY <input type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> NC <input type="checkbox"/>					
Relinquished By / Company Name						Date		Time		Received By / Company Name						Date		Time		Reportable to PADEP? Yes <input type="checkbox"/> PWSID # _____ EDDS: Format Type: _____									
1 R. Thalia Sumanen						5/4/16		1430		2 [Signature]						5/4/16		1430											
3 [Signature]						5/4/16		1522		4 [Signature]						5/4		1522											
5 [Signature]						5/4		1620		6 [Signature]						5/4		1620											
7 [Signature]						5/4		2100		8 [Signature]						5/4		2100											
9										10																			

\* G=Grab; C=Composite      \*\* Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

\* G=Grab; C=Composite      \*\*Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/04

Monday, May 16, 2016 6:05:02 PM  
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# ALS